

Abstract

Briefly, in accordance with one embodiment of the invention, a video processing system includes: a video coder. The video coder includes the capability to generate an edge detection map along a predetermined direction for an uncoded frame that is to be coded.

Briefly, in accordance with another embodiment of the invention, an article includes: a storage medium having stored thereon instructions capable of being executed by a system that when executed result in: producing an edge detection map along a predetermined direction from the video frame prior to coding; and coding the edge detection map and the video frame.

Briefly, in accordance with one more embodiment of the invention, a method of processing a video frame includes: producing an edge detection map along a predetermined direction from the video frame prior to coding; and coding the edge detection map and the video frame.

Briefly, in accordance with still one more embodiment of the invention, a video processing system includes: a video frame processor to generate an edge detection map from an uncoded video frame to be coded, the video frame processor further including the capability to code the edge detection map.